



## Department of Energy

Idaho Operations Office  
850 Energy Drive  
Idaho Falls, Idaho 83401-1563

June 6, 2000

Mr. Wayne Pierre, Team Leader  
Environmental Cleanup Office  
U.S. Environmental Protection Agency  
Region X  
1200 Sixth Avenue  
Seattle, Washington 98101

Mrs. Margie English, WAG 3 Manager  
Idaho Department of Health & Welfare  
Division of Environmental Quality  
1410 N. Hilton  
Boise, Idaho 83706

**SUBJECT:** Transmittal of the Review of Reactive Barrier Materials to Support the Design of an ICDF Attenuation Barrier, Waste Area Group 3, Operable Unit 3-13, at the Idaho National Engineering and Environmental Laboratory (EM-ER-108-00)

Dear Mr. Pierre and Mrs. English:

Enclosed is the Draft Review of Reactive Barrier Materials to Support the Design of an ICDF Attenuation Barrier, Waste Area Group 3, Operable Unit 3-13, at the Idaho National Engineering and Environmental Laboratory. This document discusses potential materials that an attenuation barrier could be constructed from for dealing with the iodine (I), neptunium (Np), and technetium (Tc) contaminants being considered in the inventory for the ICDF. This document is being submitted for scoping on the ICDF Conceptual Design issues.

A concurrent review of this document by all parties (DOE-ID, BBWI, EPA, and IDHW) is being conducted to develop the path forward for the ICDF Conceptual Design and associated modeling issues. In the schedule for the ICDF project, this document has a scheduled review time of 5 days. It is anticipated that the document would be reviewed and submitted by June 19, 2000 to support a conference call on June 21, 2000 to resolve the issues and concerns. Review comments should be provided in an electronic format. By using an electronic copy transfer, an increase in the efficiency of comment resolution and subsequent incorporation is expected.

Pierre, English

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By notifying DOE-ID of any significant issues prior to the completion of the review period, these issues can be addressed and this will reduce the impact to the schedule. If you have any questions, please call Talley Jenkins at (208) 526-4978 or myself at (208) 526-4392.

Sincerely,

A handwritten signature in black ink, appearing to read "Talley Jenkins". The signature is fluid and cursive, with the first name "Talley" being more prominent.

Talley Jenkins  
DOE-ID WAG 3 Manager

Enclosure

Cc: R. Cummings, DOE-HQ, EM-441  
J. Roland, Gannett Fleming Inc., Suite 850 1411 4<sup>th</sup> Ave., Seattle, WA 98101 (2)  
D. Romankowski, Encore Environmental Inc., 5812 South 900 East, Salt Lake City, UT 84121

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R. James, BBWI, MS 3953, w/o enc.  
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(y)  
(w)  
(w)

CONCURRENCE:

EM TJ 6/6/00

RECORD NOTES:

1. This letter was prepared to transmit Review of Reactive Barrier Materials to Support the Design of an ICDF Attenuation Barrier, Waste Area Group 3, Operable Unit 3-13, at the Idaho National Engineering and Environmental Laboratory to the State and EPA.
2. This letter was prepared by T. Jenkins <sup>TJ 6/6/00</sup> (EM/ER).
3. This letter/memo closes OATS number N/A.
4. The attached correspondence has no relation to the Naval Nuclear Propulsion Program. Naval Reactors concurrence is not required.

TWJenkins (EM/ER): File: Draft Review of Reactive Barrier Materials.doc

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INITIAL mmo DATE 7/17/01